V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 54212 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 30 2012

Contents

1 Front

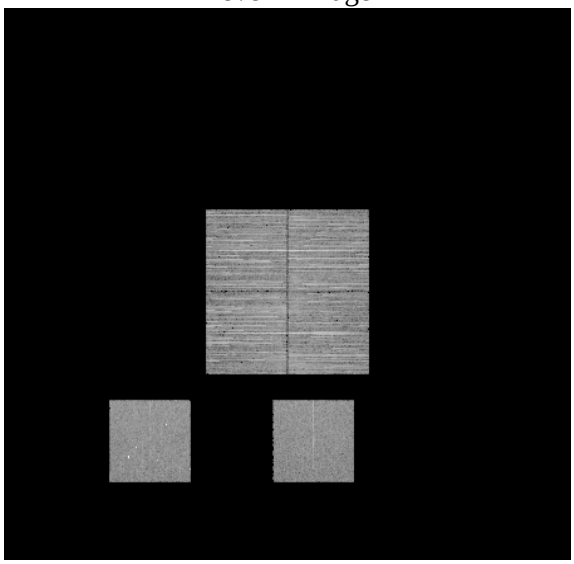
seq_num		Sequence number
obs_id	54212	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	44.179599565694	Nominal RA [deg]
dec_nom	-10.003224826139	Nominal Dec [deg]
roll_nom	23.002230847357	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3401.5999873877	Sum of GTIs [s]
livetime	3358.5268801497	Livetime [s]
ontime0	3401.5999873877	Sum of GTIs [s]
ontime1	3401.5999873877	Sum of GTIs [s]
ontime2	3401.5999873877	Sum of GTIs [s]
ontime3	3401.5999873877	Sum of GTIs [s]
ontime5	3401.5999873877	Sum of GTIs [s]
ontime7	3401.5999873877	Sum of GTIs [s]
l2events	109934	Number of level 2 events

2 OBI

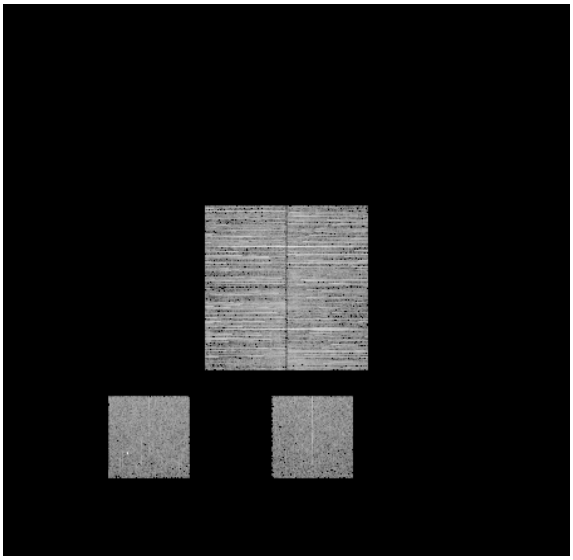
2.1 OBI

2.1.1 Images

Level 1 Image

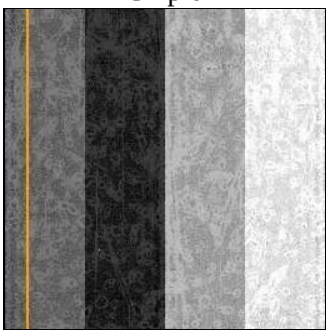


Level 1 Bad Events

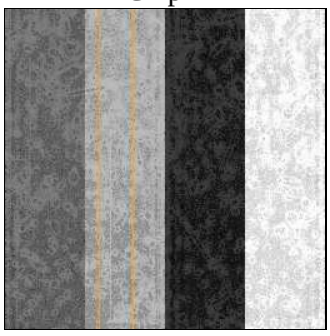


2.1.2 Bias

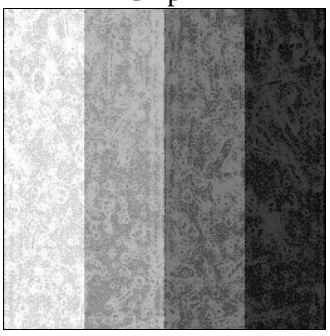
Chip 0



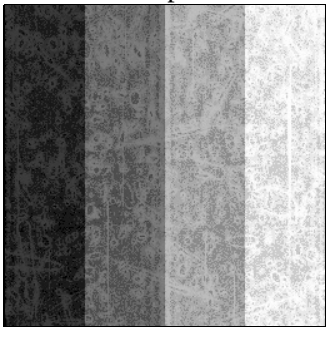
Chip 1



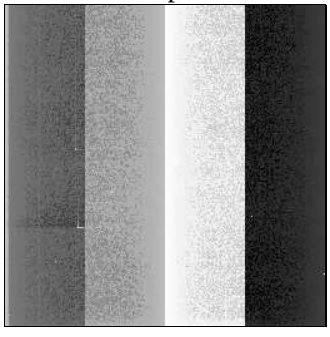
Chip 2



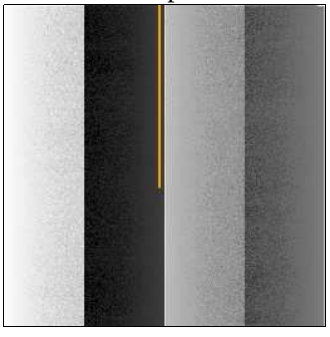
Chip 3



Chip 5



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.2	
date	2012-10-30T17:08:20	Date and time of file creation
revision	1	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	3401.5999873877	Sum of GTIs [s]
ontime0	3401.5999873877	Sum of GTIs [s]
ontime1	3401.5999873877	Sum of GTIs [s]
ontime2	3401.5999873877	Sum of GTIs [s]
ontime3	3401.5999873877	Sum of GTIs [s]
ontime5	3401.5999873877	Sum of GTIs [s]
ontime7	3401.5999873877	Sum of GTIs [s]
l1events	400975	Number of level 1 events

2.1.4 Events

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 5**	**ccd 7**
level 1 events	68952	73297	72271	68363	62015	56077
rejected events	54030	57969	56898	53041	32582	29473
rejected %	78%	79%	78%	77%	52%	52%

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 5**	**ccd 7**
grade 0 events	7763	7778	8123	8247	4009	4097
	11%	10%	11%	12%	6%	7%
grade 1 events	54	42	47	51	91	30
	0%	0%	0%	0%	0%	0%
grade 2 events	2977	3194	3051	2920	10952	6726
	4%	4%	4%	4%	17%	11%
grade 3 events	999	1018	1047	1074	1178	2207
	1%	1%	1%	1%	1%	3%
grade 4 events	1012	1074	1130	1040	1104	2309
	1%	1%	1%	1%	1%	4%
grade 5 events	1278	1305	1245	1400	2812	3328
	1%	1%	1%	2%	4%	5%
grade 6 events	2458	2551	2336	2338	12722	11782
	3%	3%	3%	3%	20%	21%
grade 7 events	52411	56335	55292	51293	29147	25598
	76%	76%	76%	75%	46%	45%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	44.17959956569428
[deg] Pointing Dec	0	-10.00322482613857
[deg] Pointing Roll	0.0	23.00223084735677
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4635187649	250.4635187649
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381
[s] Observation start time (MET)	467911343.234222	467911343.234222
Observation start date	2012-10-29T15:22:23	2012-10-29T15:22:23
[s] Observation end time (MET)	467916069.535046	467916069.535046
Observation end date	2012-10-29T16:41:10	2012-10-29T16:41:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4015999873877

A.2 Comments